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PAPERS
IN
MANUFACTURES.

*The GOLD MEDAL, adjudged in the Session 1814-15,
to Mr. BUCKE, of Richmond, Surry, for the Production of Merino Wool, (Premium 132,) which had been withheld in consequence of a Claim made by Mr Tharp, of Gloucester-street, Portman-sq. for a portion of the Society's Honours; being, at the time Mr. BUCKE claimed the Sheep, in partnership with him, was this Session delivered to Messrs. THARP and BUCKE. The following Communications were received from them on the Subject, and Specimens of the Wool and Cloth are preserved in the Society's Repository.*

SIR,

*I*n sending you this specimen of pure Merino wool, grown by me, from which the piece of cloth I send to be exhibited for the premium was manufactured, I must beg to state, that,

that, from unavoidable circumstances, this specimen is not so perfectly sound as I could have wished ; but, having another specimen, which I shall be able to deliver to you in a short time, I hope I shall be allowed to present it to the Society.

I remain, Sir,

Your obedient Servant,

THOS. GEO. BUCKE.

Richmond, Surrey, March 27th, 1815.

To C. TAYLOR, M. D. SEC.

I, THOMAS GEORGE BUCKE, of the parish of Richmond, do hereby certify, that the specimen of wool, herewith sent to the Society of Arts, is a fair sample of the pure Merino wool grown by me, from which the cloth manufactured by Mr. R. Whittington, and shown by me for the premium, was manufactured.

THOS. GEO. BUCKE.

Richmond, 27th March, 1815.

I do hereby certify, that 600 pounds of pure Merino wool bought of THOMAS GEORGE BUCKE, Esq. by me, Richard Whittington, in the year 1814, was manufactured into superfine cloths, and the specimen marked "No. 19440—R.W. Merino," is a cloth made from the Rs. of the said wool.

RICHARD WHITTINGTON.

Monk Combe, near Bath, 24th Feb. 1815.

To C. TAYLOR, M. D. SEC.

DEAR SIR,

I HAVE enclosed you a Certificate, which I have obtained from the shepherd who lived with me at the time the wool

was

was sold to Mr. Whittington, and I have the honour to remain, Sir,

Your obedient Servant,

THOS. GEO. BUCKE.

Richmond, 5th May, 1815.

To C. TAYLOR, M. D. SEC.

I do hereby certify, that the pure Merino wool, purchased by Mr. R. Whittington of Mr. Bucke, in 1814, was grown at Richmond, in the county of Surry.

Witness my mark,

W.M. TUCKEL, his mark, X,
Shepherd to the said Mr. Bucke.

SIR,

I HAVE received your letter, saying you received a Certificate, dated May 4, and Wm. Tuckel certainly signed the same, stating, that the pure Merino wool was purchased by Mr. R. Whittington of Mr. Bucke, and grown in Richmond, in the county of Surry, 1814, and produced from Mr. Bucke's sheep.

I remain, Sir,

Your humble Servant,

WILLIAM TUCKWELL,
Richmond, Surry, Gardener.

Richmond, May 8th, 1815.

To C. TAYLOR, M. D. SEC.

SIR,

IN reply to your letter of the 6th, the Certificate that the wool, of which No. 19440 was manufactured, was fine Merino

rino wool, grown by Thomas George Bucke, Esq., of Richmond, is correct.

I am, Sir,

Your most obedient Servant,

R. W. WHITTINGTON.

Monk Combe, May 9th 1815.

To C. TAYLOR, M. D. SEC.

DEAR SIR,

I HOPE you will excuse the trouble I am about to give you in requesting that you will have the goodness to state to the Board for the Encouragement of Arts and Sciences, that the piece of cloth manufactured of the wool of the Kew concern, and which gained the premium last year, and was claimed by Mr. Bucke, is, in fact, due to me, as principal of the concern, and original founder of the flock. The part Mr. Bucke has acted in the whole business cannot entitle him to claim this honour, he having sold off all the sheep he possessed, and for which he now owes me a considerable sum, besides leaving the demands of the concern to be liquidated by me, who, notwithstanding the difficulties he has put me to, and the great depreciation of this valuable stock, only wish that which I consider due to me as an encouragement for my exertions in the cause under every disadvantage; whereas, if the medal was to be presented to Mr. B. he would neither merit or value it, but for its intrinsic worth, and it would in all probability be disposed of immediately. I therefore trust that this statement of the case will be sufficient to induce the Board to consider

me

me as justly entitled to the medal, which I shall be proud to receive. Believe me,

Dear Sir, yours truly,

JOHN THARP.

No. 3, Gloucester Street, Portman Square,
29th March, 1816.

To C. TAYLOR, M.D. SEC.

* * * The Committee of *Manufacturers*, in consequence of Mr. Bucke's non-appearance on the day of distribution, May, 1815, when he ought to have been present for the purpose of receiving the medal, and Mr. Tharp's claim to a part of the Society's premium from the circumstance of his being in partnership with Mr. B. when he possessed the flock, investigated the business, and the claim being substantiated in all its bearings, judged it most equitable to present the medal to the parties conjointly.

*The GOLD MEDAL was this Session adjudged to
Mr. G. FLOWER, of Marden, near Hertford, for
the production of Merino Wool from the Breed
of Spanish Sheep in England, (Premium 132).
The following Communications were received on the
Subject, and Specimens of the Wool and Cloth are
preserved in the Society's Repository.*

SIR,

THIS letter accompanies a certificate from my bailiff, and a note from a neighbour, who is well acquainted with the notorious

notorious fact of my having a large Merino flock, and who has seen much of my cloth at different times since its manufacture. It is now too late to collect certificates from the manufacturers who have made and are making up my wool. They are Mr. Weddle, of Stroud; Mr. Evans, of Wotton Underedge; Mr. Phillips, of Melksham; Mr. F. Nash, of Twerton, near Bath. To Mr. Swain, Wool-stapler, of White Street, I sold a part in the fleece.

I say it will be too late, as I am going to leave the kingdom on or about the 10th of May.

If the premium can, consistently with the rules of the Society, be awarded to me (if I have a chance of obtaining it) before I depart, it would be gratifying.

I am, Sir,
Your very obedient servant,
G. FLOWER.

Marden, March, 16, 1816.

To C. TAYLOR, M. D. SEC.

CERTIFICATES.

I, Captain Stone, bailiff to Mr. Flower, do certify, that I have been in the habit of seeing, and tending upon the Merino flock, belonging to Mr. Flower, one part of which is in Hertfordshire, and the other part in Oxfordshire. That I have been in the habit of shearing many of them with my own hands; that I have assisted in packing up the wool for many, and directing the same to various persons, for the purpose of being manufactured.

I have frequently seen Mr. Flower's Merinos, and am well acquainted with the fact of his flocks being numerous, residing very near the ground on which two feed:—I have also, occasionally, some of them on my own farm to keep.

I have

I have also seen cloths of various colours manufactured from his wool.

**WILLIAM WEBB,
Farmer at Irwin Hill, near Hertford.**

DEAR SIR,

In reply to your favour of the 3d instant, your cloths are in a state of progress, and we shall lose no time in completing the whole. Mr. Phillips, sen. understood from you when you last parted with him, that you could more readily dispose of the cloth if it was all dyed dark blue, which has consequently been done.

We annex you particulars of waste, &c. on the other side, but as all the pieces are not yet put out to the weaver, we cannot give you any accurate account of the number of yards it will produce. You may reckon generally, that 13lb. 1-4th. of dyed wool, will produce 1 yard of cloth.

We are, dear Sir,

Your most obedient servants.

EDWARD PHILLIPS & SONS.

Melksham, 5th Jan. 1816.

Mr. G. FLOWER, &c. &c.

P. S. The small bag of wool belonging to the farmer, we have done nothing with, as the expence of manufacturing it would be more than its value when finished, but we will scour it, and return it if you wish it.

The weight received - - - 3442lbs.

Weight when dyed and dried - 1357

2085 waste,

M

which includes every species of waste, the 1357lbs. being neat wool. 3442lbs. of wool in grease is 516*l.*; 770 yards of cloth, at 15*s.* per yd. - - - - 577*l.* 10*s.*

Ditto at 13*s.* - - - - 500*l.* 10*s.*

This is to certify, that I Samuel Weddell, of Stroud, in the county of Gloucestershire, clothier, am the manufacturer of No. 100,922, a piece of superfine imperial Merino black cloth, the property of Mr. George Flower, and that the quantity of wool consumed in manufacturing, was 158lbs. full in grease, which wool I believe was grown by Mr. George Flower, of Marden, in the county of Herts.

SAMUEL WEDDELL.

Stroud, March 15, 1816.

Mr. R. FLOWER, &c.

DEAR SIR,

I received a letter from your good father yesterday, and he wished me to send the No. of pounds of wool I had received of yours up; which is this weight, 4029lb. including R. F. and K., which on your inspection you will find correct.

I remain, dear Sir,

Yours truly,

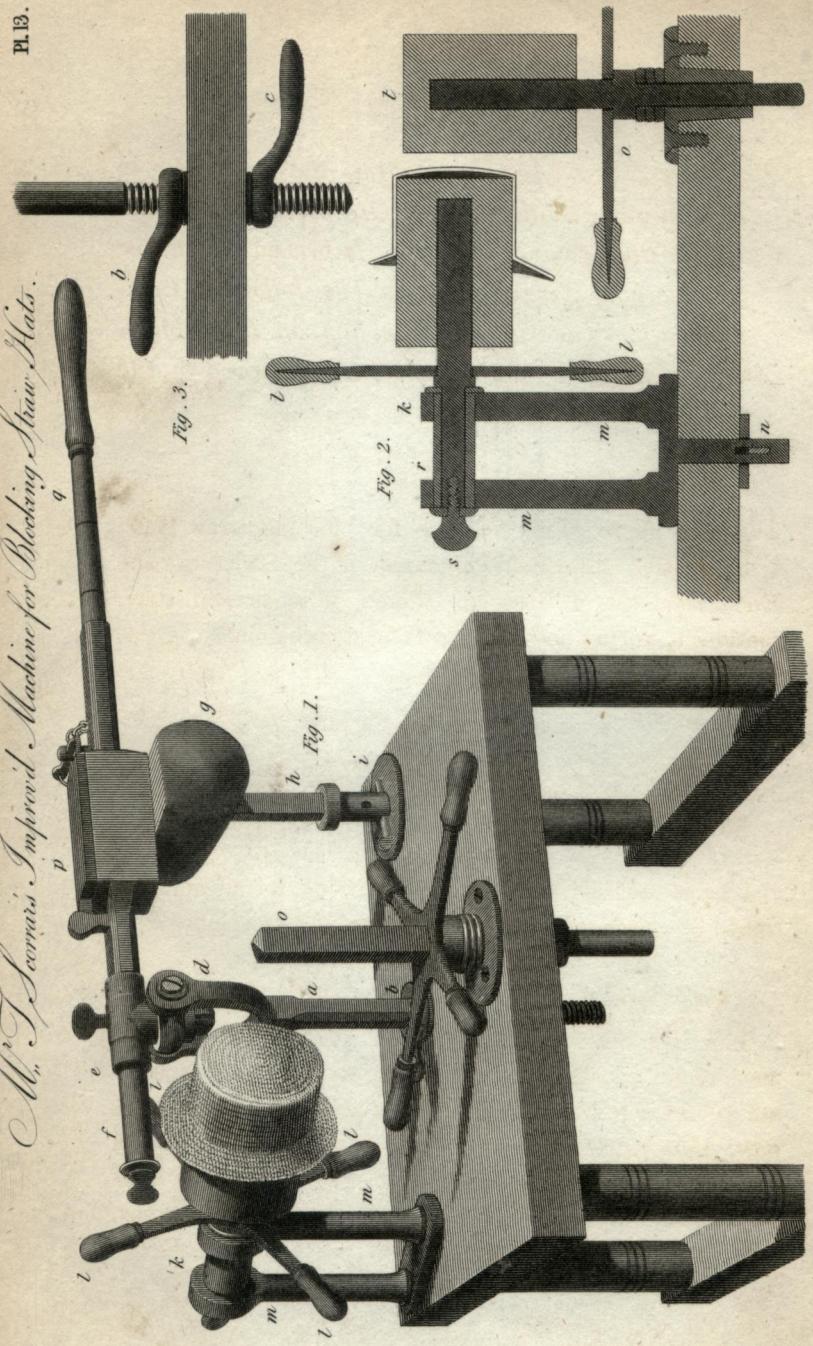
MARTIN EVANS.

Wolton Underedge, 6th May, 1816.

Mr. G. FLOWER, &c.

The

M^r T. Corri's Improved Machine for Blocking Straw Hats.



Drawn by C. Hardy.

Engraved by G. Gladman.

The SILVER ISIS MEDAL was this Session voted to Mr. THOMAS SCHORRAR, of Green Street, Bennet's Row, Blackfriars, for his Improved Machine for Blocking Straw Hats. The following Communication was received from him on the Subject, and a Model of the Machine is preserved in the Society's Repository.

SIR,

HAVING improved my machine for blocking Straw Hats, I should feel additionally honoured, if the Society for the Encouragement of Arts, &c. should, in its present state, consider it worthy any mark of their approbation.

I am, Sir,

Your most obedient Servant,

THOMAS SCHORRAR.

Green Street, Bennet's Row, April 18, 1816.

To C. TAYLOR, M. D. SEC.

I have enclosed a certificate, testifying its advantages, signed by three workmen who have used the machine.

GENTLEMEN,

This is to certify, that the improvements made upon the machine for blocking straw bonnets, by Thomas Schorlar, are as much to his praise, as the machine itself: having, now, three different motions, there is no necessity for changing the blocks, as we can finish a bonnet out and out, before it need be laid out of the hand; whereas,

M 2

before

before the machine was thus improved, (having only one motion) we were obliged to change blocks three different times, which caused unnecessary trouble to the blockers.

Signed T. SWINCOE, Stone's End, Borough.

Thos. MORGAN, Newington Causeway.

Thos. BUGS, Bishopsgate Street.

6th April, 1816.

To the Society for the Encouragement of Arts, &c.

Reference to Mr. Schorrar's Machine for blocking and smoothing Straw Hats.

Fig. 1. the machine ready for work.

a. A standard with a screw-stem passing through the table by which it is fixed to any required height by two counter-nuts *b*, and *c*, (fig. 3.) the standard is forked at *d*, to contain the universal joint *e*, the part of the lever *f*; slides and turns in the socket *e*; *g*, a long flat block, with a round end fixed on the spindle *h*; this may be turned by the block *g*, and elevated, if required, by a pin *i*; *k*, an horizontal spindle with four levers *l*, *l*, *l*, *l*, for turning it; this carries the block for smoothing the sides; the frame *m*, *m*, (in which the spindle *k* turns) revolves on an axis *n*, shown in the section fig. 2, *o*; a third spindle moved by four levers, this receives the block from the spindle *k*, to smooth on the top of the hats; these three spindles are square at the top for receiving the blocks from each other, and are placed at equal distances from the standard, so that the box-iron *p*, may be turned by the lever *q*, *f*, to either of them; *r*, fig.

2, is

2, is a bell-metal socket, in which the spindle *k*, turns ; *s*, a screw and collet to keep it in its place, the block is shown on both spindles to render visible, their side and tap being of an height suitable to the iron.

The box-iron *p*, is faced with polished steel.

The THANKS of the Society were this Session voted to SAMUEL HOOD, Esq. Inspector of Canvas for his Majesty's Navy, Deptford, for Specimens of Sail Canvas. The following Communications were received from him, and Specimens of the Canvas are preserved in the Society's Repository.

DEAR SIR,

CONCEIVING that it might be very acceptable, and serviceable that you should have specimens of Sail canvas used in his Majesty's Navy during the last forty years, including the war with America, and the two last wars, in which time great improvements have been effected, by which the navy and the country must have been very considerably benefitted, I beg to request your opinion thereupon, and to say, that I should (if it should be deemed desirable) furnish the Society of Arts, &c. with fair samples of the canvas employed during the American, the two last wars, and such as the navy has at present in store.

I feel a confidence that a comparison thus shewn, must be productive of much real advantage to the nation, very many persons deeply interested in shipping being unaware of the

extreme difference in the quality, and of the great additional risk they subject both property and lives to, by neglecting to purchase good canvas, which will ever be found to be the cheapest.

With great respect,

I am, Sir,

Your most obedient Servant,

SAMUEL HOOD.

Brunswick Terrace, Deptford, Feb. 1, 1816.

To C. TAYLOR, M.D. SEC.

SIR,

WILL you be pleased to signify what quantity of each sort of canvas will be necessary to answer the purpose of the Society. Would a few yards of each sort be sufficient, or would it be better to send a bolt (40 yards) of each? The favour of your reply will oblige, Sir,

Your most obedient servant,

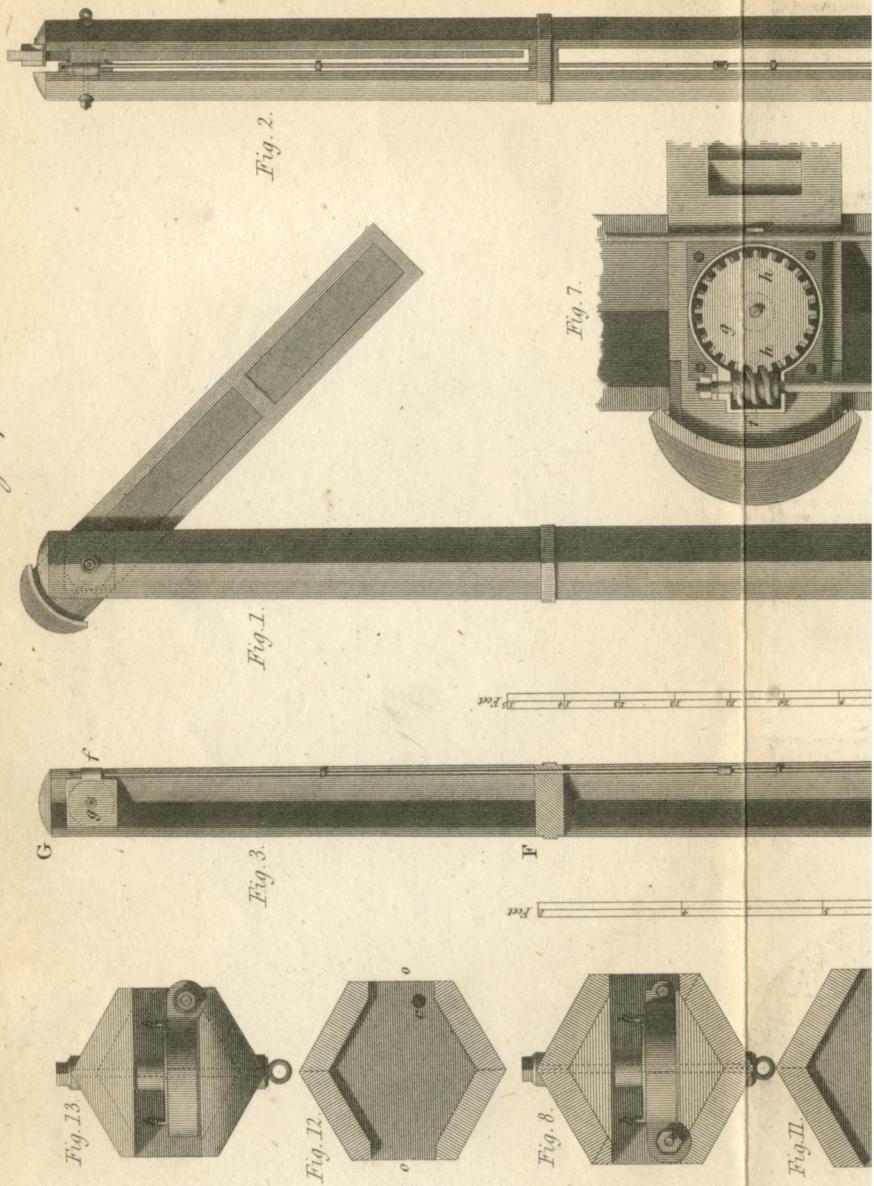
SAMUEL HOOD.

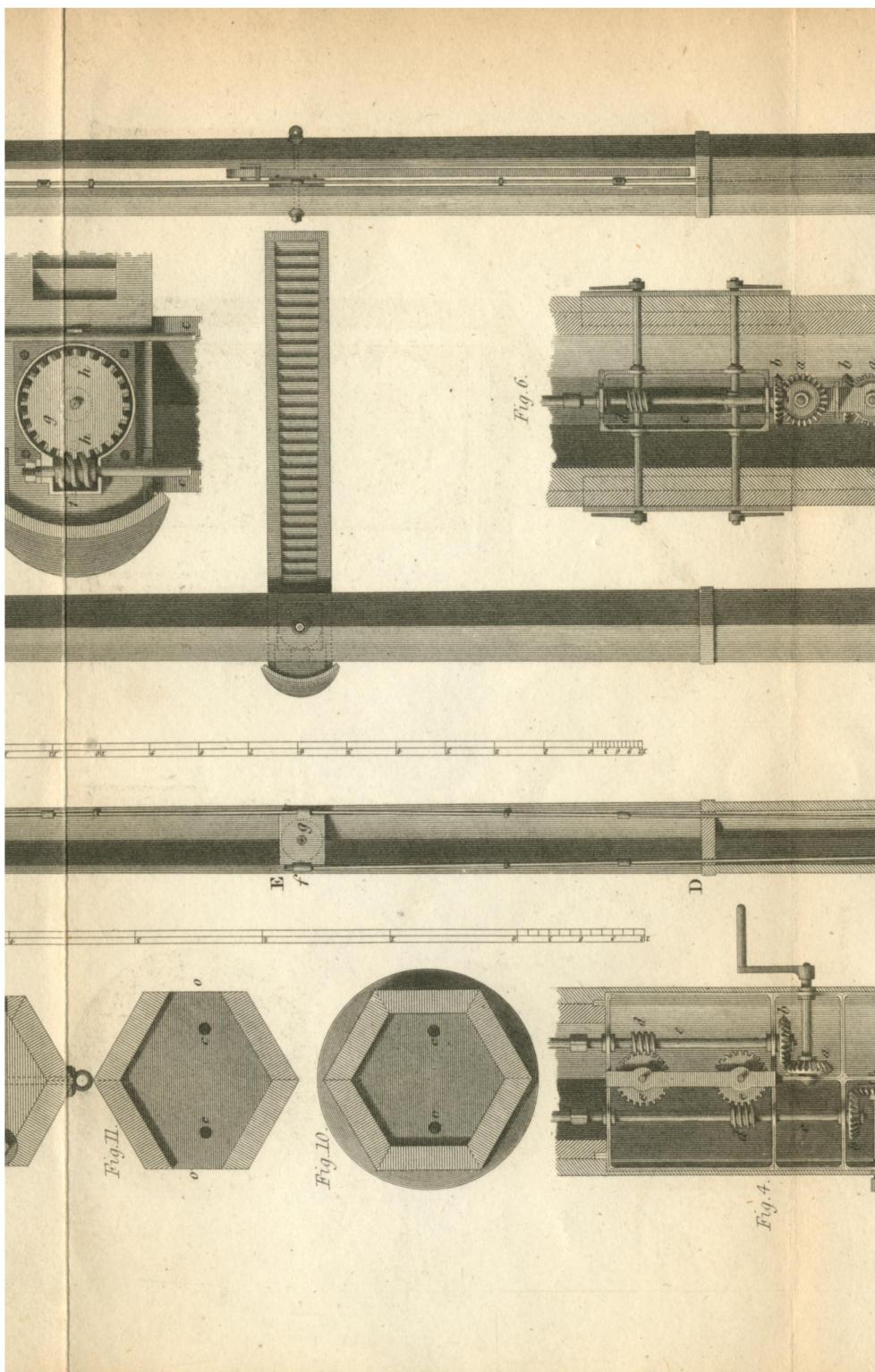
Brunswick Terrace, Deptford, April 30, 1816.

To C. TAYLOR, M.D. SEC.

Sir Home Popham's Telegraph.

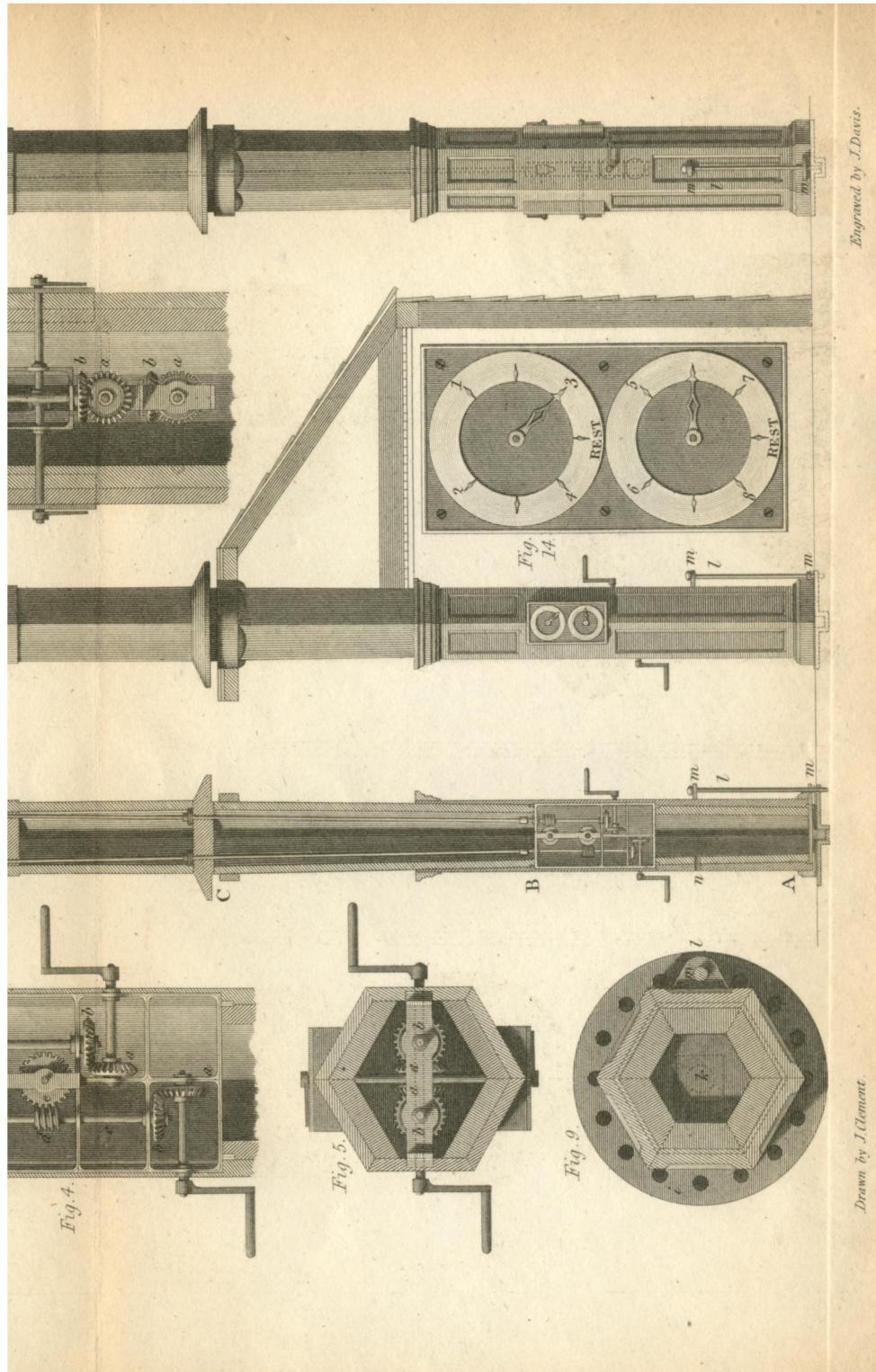
Pl. 14





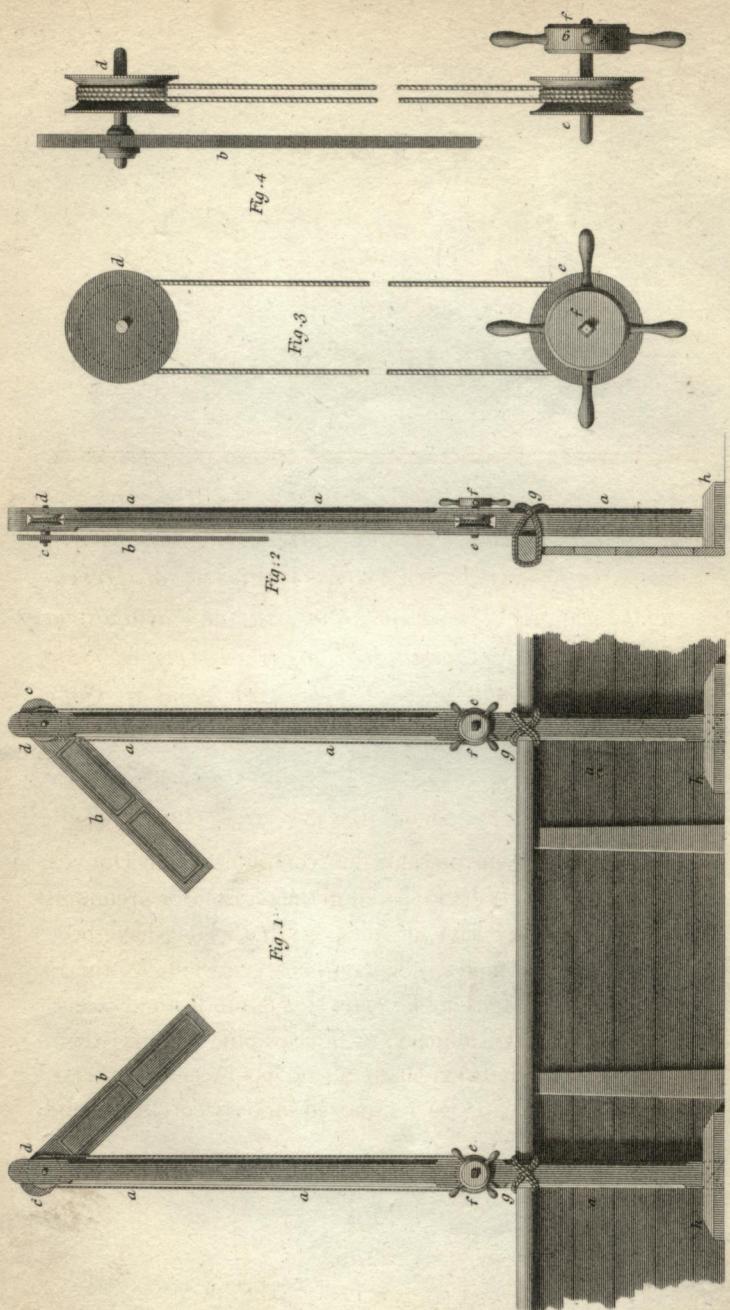
Engraved by J. Davis.

Drawn by J. Clement.



Sir Home Popham's Sea Telegraph.

Pl. 5



Drawn by J. Clement

Engraved by A. Davies